

<b>X7A SAFETY CHECKLIST</b>			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
<b>Rev: C</b>	<b>Effective: 5/24/2010</b>	<b>Page 1 of 1</b>	Number: LS-SCL-0015
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### **ITEMS 2-8 ARE UPSTREAM OF X7A HUTCH**

- 1. Valid Padlock Index and log, no padlocks open
- 2. Exclusion Zone (EZ #1) in place and banded.
- 3. Bremsstrahlung shield (BS #1) in place and banded. See photo.
- 4. Viewport (VP #1) on slit assembly covered with lead glass, hose clamps in place.
- 5. Bremsstrahlung shield (BS #2) in place and banded. See photo.
- 6. Viewport (VP #2) on instrument-T covered with 1/32" lead cover in place.
- 7. Bremsstrahlung shield (BS #3) in place and banded. See photo.
- 8. Viewport (VP #3) on slit assembly covered with 1/32" lead, hose clamps in place.

### **ITEM 9 LOCATED INSIDE OF X7A HUTCH**

- 9. Lead beam-stop in hutch in place (SEE PHOTO).

OPCO / Beamline Staff: \_\_\_\_\_ Date: \_\_\_\_\_

### **USER SYSTEM CHECKS**

- A. Downstream vacuum check status lights for pump #7A-2 on crossover panel by saw-tooth wall. This pump is downstream of water cooled BE window in hutch. Pump should be on and green lights showing.
- B. In line-valve open, Kirk key in transfer box.
- C. Helium cover gas for second Be window in hutch should be flowing through bubbler

Beamline Rep.: \_\_\_\_\_ Date: \_\_\_\_\_